

ABSTRACT OF THE DISCLOSURE

An optoelectronic code-to-position encoder intended for measuring linear and angular travels of an object contains a coordinate scale with raster and code tracks, a readout unit, which includes a lighter, a raster analyzing mask, light detectors of the raster track and a multi – element light detector of the code track. The readout unit is fitted with a code analyzing mask, which is composed of two arrays of windows and optically conjugated with the code track of the coordinate scale; the multi-element light detector of the code track is made as two separate arrays of light detectors and is located behind the code analyzing mask. The inventive device makes it possible to eliminate a coordinate code readout ambiguity on a static initial position of a measured object and simultaneously increase the running speed, reduce the dimensions and increase the potential accuracy of the encoder.